

EPOXY RESIN COUNTERTOPS CHEMICAL COMPATIBILITY TESTING RESULTS

Testing Methods:

Method A - Volatile chemicals (organic solvents): Cotton ball saturated with test reagent is placed in one ounce bottle (20 x 75mm test tube or similar container) with reservoir of liquid above ball. Container is inverted on test material for period of 24 hours at standard temperature 23 degrees C plus or minus 2 degrees C (73 degrees F plus or minus 4 degrees F).

Method B - Non Volatile Chemicals: Five drops (1/4 cc) of test reagent are placed on test material surface. Reagent is then covered with watch glass (25 mm) for period of no less than 24 hours at standard temperature of 23 degrees C plus or minus 2 degrees C (73 degrees F plus or minus 4 degrees F).

Resistance Definitions:

High: No detectible change in material surface.

Moderate: Slight detectable change in color or gloss but no change to function or life of work surface material.

Light: Slight surface etching or severer staining. Clearly discernable change in color or gloss but no significant impairment of surface life or function.

Poor: Pitting, cratering or erosion of work surface material; obvious and significant deterioration. Objectionable change in appearance due to surface discoloration.

Chemicals	Method	Resistance
Amyl Acetone	A	High
Ethyl Acetate	A	Moderate
Acetic Acid 98%	B	High
Acetone	A	Moderate
Acid Dichromate 5%	B	High
Butyl Alcohol	A	High
Ethyl Alcohol	A	High
Methyl Alcohol	A	High
Ammonium Hydroxide, 28%	B	High
Benzene	A	Moderate
Carbon Tetrachloride	A	High
Chloroform	A	Moderate
Chromic Acid 60%	B	High
Cresol	A	High
Dichloro Acetic Acid	A	High
Dimethylformamide	A	High
Dioxane	A	Moderate
Ethyl Ether	A	High
Formaldehyde 37%	A	High

Formic Acid 90%	B	Moderate
Furfural	A	High
Gasoline	A	High
Hydrochloric Acid, 37%	B	High
Hydroflouric Acid 48%	B	Poor
Hydrogen Peroxide 28%	B	High
Tincture of Iodine	B	High
Methyl Ethyl Ketone	A	Moderate
Methylene Chloride	A	Moderate
Mono Chlorobenzene	A	Moderate
Napthalene	A	High
Nitric Acid, 20%	B	High
Nitric Acid, 30%	B	High
Nitric Acid, 70%	B	High
Phenol 90%	A	High
Phosphoric Acid, 85%	B	High
Silver Nitrate, Saturated	B	High
Sodium Hydroxide, 10%	B	High
Sodium Hydroxide, 20%	B	Moderate
Sodium Hydroxide, 40%	B	Moderate
Sodium Hydroxide, Flake	B	High
Sodium Sulfide, Saturated	B	High
Sulfuric Acid, 25%	B	High
Sulfuric Acid, 85%	B	Moderate
Sulfuric Acid, 96%	B	Poor
Sulfuric Acid 85%, and Nitric Acid 70%, equal parts	B	Moderate
Toluene	A	High
Trichlorethylene	A	Moderate
Xylene	A	High
Zinc Chloride, Saturated	B	High



EPOXY TOPS
 chemical resistant countertops